

IN THE ABSTRACT:

Please DELETE the Abstract in its entirety and substitute the attached new Abstract.:

b1 An optical path cross-connect device includes a wavelength branching unit, an intra office signal input unit, "m" pieces of routing units, a wavelength combining unit and an intra-office signal output unit. The routing units input thereinto an optical signal outputted from either of the wavelength branching unit and the intra-office signal input unit via a first optical path group, and convert an input optical signal into a predetermined wavelength to thereby output a wavelength-converted optical signal to a second optical path group. The "m" (symbol being an integer and also being larger than 1)" pieces of routing units are subdivided into units of at least "n (symbol "n" being an integer and also being larger than 1)" wavelengths, as wavelength ranges to be processed by the respective routing unit are different from each other.